

Investigation Title: Utilization of Skylab (EREP) System
for Appraising Changes in Continental
Migratory Bird Habitat.

EREP Investigation No. 486

Period Covered: December 1974

NASA Contract No. T-4114B

Principal Investigations Management Office:

Lyndon B. Johnson Space Center
Houston, Texas 77058

Technical Monitor Name: Mr. R. E. Joosten

Principal Investigator and sponsoring institution name:

Dr. David S. Gilmer
Northern Prairie Wildlife Research Center
U.S. Fish and Wildlife Service
Jamestown, North Dakota 58401

Type of Report: Monthly Progress

Overall Status:

FY-75 funds are now on hand and the necessary S-192 CCT's are available. The major processing and analysis effort associated with this program will begin early in January 1975. No major progress was made during December 1974 due to a general shutdown of ERIM facilities for two weeks during the holiday period.

Recommendations for Action:

ERIM has been successful in copying S-192 CCT's which contained numerous parity errors and it is probable that our data processing can proceed in this manner. However, in order to prevent possible further delays in the event that tape copies created by ERIM are not satisfactory, we request that NASA/JSC continue with their plans to provide replacement tapes for the defective S-192 CCT's forwarded to the PI in October 1974.

Expected Accomplishments During the Next Reporting Period:

Processing of S-192 data for the recognition of open surface water using a thresholding technique using a single near-IR channel of data and a multispectral technique for improving apparent spatial resolution will be undertaken in that order. Subsequent processing will also be performed in order to recognize wetland areas based upon vegetation indicators.

"Made available under NASA sponsorship
in the interest of early and wide dis-
semination of Earth Resources Survey
Program information and without liability
for any use made thereof."

(E75-10087) UTILIZATION OF SKYLAB (EREP)
SYSTEM FOR APPRAISING CHANGES IN CONTINENTAL
MIGRATORY BIRD HABITAT Monthly Progress
Report, Dec. 1974 (Northern Prairie Wildlife
Research Center) 2 p HC \$3.25
CSCL 06C 63/43 00087
N75-15105
Unclass

Significant Results:

None to report.

Summary Outlook:

A major processing and analysis effort using S-192 data collected on 12 June 1973 will begin January 1975.

Travel Summary and Outlook:

The project Principal Investigator and Co-Investigator met at the Sioux Falls EROS Data Center on 10 and 11 December for general discussions of the relevance of data to wildlife management programs and to review specific program plans. No travel is contemplated during the next reporting period.